SBR No. H1/19-20
2nd & Final Bill
DATED 9-9-19

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR No. H1/19-20

Date ....2019 Dt. 9-9-19

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Job Code :-007=17=000034

Schedule Docket No. Head of Account : P – 0294 D.R.No.

Name of Work:- Annual Maintenance and repairs to electrical installation at J C yelahanka Zonal office Building Byatrayanapura in ward no 7

Name of Contractor and Full Address:- M/s Chowdeshwari electrical,

Reference to Agreement No:EE(Ele)/YZ/WO/44/A/ 2018-19 Date:- 27/12/2018

Certified that the measurements were taken by me on 8/7/19 and recorded of Pages 256573 to 578 of measurement Book No. 2566/18-19 and that the work is satisfactorily executed.

For CHOWDESHWARI ELECTRICALS

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 8/7/19 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (E)
Sub-Division Officer
BBMP, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	Bill= 303480=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 3035=00
3)	" Balance	LWC 1% 3035=00
4)	Deduct Payment:	CBFD 1% 303=00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	Scost 1% 2710=00
	b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Ccost 1% 2710=00
		deductions= 11793=00
5)	Balance being unpaid value of work done held in reserve.	cheque= 291687=00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

For CHOWDESHWARI ELECTRICALS

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

For CHOWDESHWARI ELECTRICALS

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Stamp

P0294 M&R to Elebld

ರೂ: 303480=00 ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 291687=00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ

ರೂ: 11793=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು (ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description of Item	Unit
	Name Of Work:-Annual Maintenance and repairs to electrical installation at J C yelahanka Zonal office Building Byatrayanapura in ward no 7	
1	Licenced electrician wiremen fitter with tools (Skilled) Rs.13365/Person/Month. Rs.13365*12=1,60,380/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person
2	a).Helper (Electrical) (Semi-Skilled) Rs.11011/Person/Month. Rs.11011*12=132132/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person
3	Annual Maintenance of 180 KVA D.G. Set Existing A.M.C. including of labour charges only for replacing the spare parts and periodically checkup of D.G. AMF panel (Without operator)	Each
4	Supplying & Changing of Alternator AVR.(Automatic Voltage Regulator)	Nos
5	Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,.	Nos
6	Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS-13947. 2) 125Amps	Each
7	Supplying and fixing HRC fuse link on existing switch fuse base with watt loss as per IS-13703. 3) 125Amps	Each
8	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Each
9	Supply of 230 V CFL Lamp Holder 2 pin	No
10	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Mtr
11	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Rmt
12	4)4 sqmm	P/Mtr
13	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 6Amps SP Switch	Nos
14	6Amps 3 way 5 pin Socket	No
15	16 Amps SP switch	No
16	16 Amps 3 way 5 pin socket	No
17	32 Amps Bakelite DP	No
18	16/6 Amps combined plug and socket wit control switch	No
19	2'/4' - 36/40 Watts Fluorescent Tubes: Supplying and fixing of 36W Fluorescent Tube with 36W power consumption with initial lumen of 2750 (3000 deg K / 4000 deg K) with rated avg life of greater than 10000 hrs.	No
20	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance)	No
21	Supplying of of 2 pin/4 pin 18W CFL Lamp	No
22	Condenser for ceiling fan/MV/SV/MH and other luminaires Upto 4 mfd	No
23	Upto 8 mfd	Each
24	Stepped Fan Regulator.	
25	LED Indoor Supplying of 4' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical conditionLED light fighting 4' - 28 watts	Nos
26	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/Micro processed release and Earth Fault as per IS-13947. (Icu=Ics). FOUR POLE 6) 125-160Amps 25kA.	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
1x12months	99999.96	1x13 months	8333.33	108333.29	1x25months	208333.25	
1x12months	79999.92	1x13 months	6666.66	86666.66	1x25months	166666.58	
1	75000.00	0	75000.00	0.00	1	75000.00	
1	15000.00	0	15000.00	0.00	1	15000.00	
1	20000.00	1	20000.00	20000.00	2	40000.00	
2	3000.00	0	1500.00	0.00	2	3000.00	
6	1200.00	2	200.00	400.00	8	1600.00	
8	17600.00	8	2200.00	17600.00	16	35200.00	
19	570.00	1	30.00	30.00	20	600.00	
15	4500.00	0	300.00	0.00	15	4500.00	
90	3600.00	0	40.00	0.00	90	3600.00	
93	3720.00	93	40.00	3720.00	186	7440.00	
73	3650.00	23	50.00	1150.00	96	4800.00	
25	2500.00	5	100.00	500.00	30	3000.00	
14	1120.00	4	80.00	320.00	18	1440.00	
15	1800.00	3	120.00	360.00	18	2160.00	
10	1500.00	2	150.00	300.00	12	1800.00	
10	3500.00	2	350.00	700.00	12	4200.00	
60	3000.00	10	50.00	500.00	70	3500.00	
19	3800.00	4	200.00	800.00	23	4600.00	
35	7000.00	5	200.00	1000.00	40	8000.00	
15	2250.00	3	150.00	450.00	18	2700.00	
10	2000.00	4	200.00	800.00	14	2800.00	
10	2500.00	3	250.00	750.00	13	3250.00	
30	45000.00	10	1500.00	15000.00	40	60000.00	
2	9000.00	2	4500.00	9000.00	4	18000.00	

27	Supplying, installaion, testing & commis-sioning of 12Volts.. AH batteries in poly propylene container for D.G Sets low maintenance batteries. 4) 150 AH, Acid batteries.	Each
28	Supplying and installation of RUBBER MAT 1 mt X 2mt 10 mm thick. PWD Electrical SR 2010-11	Each
29	Supplying and fixing of DANGER/NO ADMISSION/NO SMOKING board made out of MS sheet metal with two coats of non corrosive enameled paint. PWD Electrical SR 2007-08	Each
30	Supplying of Rubber HAND GLOVES of Electrical quality to 22KV. PWD Electrical SR 2007-08	Pair
31	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C.	Each
32	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 11) 95 sq mm long barrel	Each
33	15) 240 sq mm long barrel	Each
34	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4) 5)160-200Amps	Each
35	3) 60-70 amps	Each
36	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps TPN	Each
37	3) 5-32Amps DP	Each
38	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Each
39	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each
40	Fixing of ..... Amps TPST / change over switch / Contactor along with neutral link with screws, bolts, nuts and wiring using required capacity wires and circuit labeling.00A to 250A TPST	Each
41	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM	Each
	Total Rs	Each

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Elec)
BBMP, Bangalore

1	15000.00	1	15000.00	15000.00	2	30000.00	
1	2500.00	0	2500.00	0.00	1	2500.00	
5	1250.00	0	250.00	0.00	5	1250.00	
2	2000.00	0	1000.00	0.00	2	2000.00	
6	27000.00	0	4500.00	0.00	6	27000.00	
9	900.00	3	100.00	300.00	12	1200.00	
6	1200.00	2	200.00	400.00	8	1600.00	
3	30000.00	1	10000.00	10000.00	4	40000.00	
1	5000.00	0	5000.00	0.00	1	5000.00	
6	9000.00	3	1500.00	4500.00	9	13500.00	
8	3200.00	2	400.00	800.00	10	4000.00	
30	3900.00	0	130.00	0.00	30	3900.00	
8	2000.00	8	250.00	2000.00	16	4000.00	
6	3000.00	3	500.00	1500.00	9	4500.00	
6	3600.00	1	600.00	600.00	7	4200.00	
	522359.88			303479.95		825839.83	